

# **APPROVAL**

## **Cisco Router Config Generator (CRCodeG)**

By

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## **ABSTRACT**

Cisco Router Code Generator (CRCodeG) – Router needs to be configured based on network design include policy that user wants to support device connection smoothly run. However, human mistake such as typo, wrong script code applied and lack of command knowledge like forget only single line of command will affect performance of the network or error at all. To reduce the human mistake and lack of knowledge problem, Cisco Router Code Generator as an online web based system may help to provide complete script command to apply on router configuration. User only need to fill in the form in CRCodeG and system will generate the script command based on requested by user on that form. Operation on the system is using PHP as server side scripting. PHP with their function will produce document file with router configuration for user by download or just view it after generate the form. After script command generated by the system, Packet Tracer will use on development site to test the script command based on visual mini network design on Packet Tracer.

Keyword – Cisco Router Code Generator, PHP, Packet Tracer.

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# CHAPTER 1

## INTRODUCTION

This section will give information about background and rationale for these studies. It also provides details of significant Cisco Router Code Generator (CRCodeG) with network environment which needed as problem solver and help Network Administrator on their work.

### 1.1 Background of Study

Network nowadays have important impact on our lives. It's totally changing our style of live, work and play. The Internet provides people to communicate, collaborate and interact between each other in the ways they never did before such as videoconferencing, interactive online gaming, electronic commerce, education and so on. To fulfill success communication between multiple networks, the device needed is router as center of the network use for deliver the packet successfully from sender to destination. (Rick Graziani, 2007)

Computer networking is set of connection tools that very important and necessary to provides communication to each other over the world. Router is one of device including Network Design that important to connect Network to Network. Most popular Router is supplied by Cisco and the device become popular with professional certificate calls Cisco Certified Network Associate (CCNA). Every Router needs to well configured with policy that created by Network Design based on users needed.